pyetheroll Documentation

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Contents:

CHAPTER 1

Readme

CHAPTER 2

pyetheroll

Python library to Etheroll smart contract

2.1 Usage

Simply set bet size, chances and wallet settings before rolling:

```python
from pyetheroll.etheroll import Etheroll

etheroll = Etheroll()
bet_size_ether = 0.1
bet_size_wei = int(bet_size_ether * 1e18)
chances = 50
wallet_path = 'wallet.json'
wallet_password = 'password'

transaction = etheroll.player_roll_dice(
    bet_size_wei, chances, wallet_path, wallet_password)
```

It's also possible to set different contract address and chain ID:

```python
from pyetheroll.constants import ChainID
from pyetheroll.etheroll import Etheroll

chain_id = ChainID.ROPSTEN
contract_address = '0xe12c6dEb59f37011d2D9FdeC77A6f1A8f3B8B1e8'
etheroll = Etheroll(chain_id, contract_address)
```

Find out more in docs/Examples.md.

2.2 Install

Latest stable release:

```
pip install pyetheroll
```

Development branch:

```
pip install --process-dependency-links \
https://github.com/AndreMiras/pyetheroll/archive/develop.zip
```

CHAPTER 3

Examples

Here is a list of common things the library can help with.

3.1 Get address last rolls

Basically what you need is the `Etheroll.get_last_bets_transactions()` method. See example rolls2csv.py for a detailed example.

3.2 Read contract

Access the web3 contract directly from the `Etheroll` instance:

```
etheroll = Etheroll()
min_bet = etheroll.contract.functions.minBet().call()
```

CHAPTER 4

How to release

This is documenting the release process.

4.1 Git flow & CHANGELOG.md

Make sure the CHANGELOG.md is up to date and follows the http://keepachangelog.com guidelines. Start the release with git flow:

```
git flow release start YYYYMMDD
```

Now update the CHANGELOG.md `[Unreleased]` section to match the new release version. Also update the `version` string in the setup.py file. Then commit and finish release.

```
git commit -a -m "YYYYMMDD"
git flow release finish
```

Push everything, make sure tags are also pushed:

```
git push
git push origin master:master
git push --tags
```

4.2 Publish to PyPI

Build it:

```
make release/build
```

Check archive content:

```
tar -tvf dist/pyetheroll-*.tar.gz
```

Upload:

```
make release/upload
```

This will also publish the alias meta package `setup_meta.py`.

4.3 Check Read the Docs

Make sure https://readthedocs.org/projects/pyetheroll/ is up to date.

4.4 GitHub

Got to GitHub Release/Tags, click "Add release notes" for the tag just created. Add the tag name in the "Release title" field and the relevant CHANGELOG.md section in the "Describe this release" textarea field. Finally, attach the generated APK release file and click "Publish release".

CHAPTER 5

Indices and tables

- genindex
- modindex
- search